

6-24-90

JUN 29 '90 11:16 922-4679

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TEXACO
INDUSTRIAL HYGIENE, TOXICOLOGY, AND MATERIAL
SAFETY DATA SHEET

NOTE: NO REPRESENTATION IS MADE AS TO THE ACCURACY OF THE INFORMATION
HEREIN. SEE PAGE 7 FOR CONDITIONS UNDER WHICH DATA ARE FURNISHED.

Trade Name and Synonyms 00449 TEXACO DIESEL 2	
Manufacturer's Name Texaco	Emergency Telephone No. (914) 831-3400 ext. 204
Address P.O. Box 509 Beacon, NY 12508	
Chemical Name and/or Family or Description Diesel Fuel	
THIS PRODUCT IS CLASSIFIED AS: <input checked="" type="checkbox"/> CARCINOGENIC BY OSHA, IARC, OR NTP <input type="checkbox"/> NOT CARCINOGENIC	
WARNING STATEMENT: DANGER! CAUSES SEVERE SKIN BURNS MAY BE HARMFUL IF INHALED OR ABSORBED THROUGH SKIN COMBUSTIBLE USE ONLY AS A FUEL	
OCCUPATIONAL CONTROL PROCEDURES	
Protective Equipment (Type): Eyes:	Chemical type goggles or face shield optional.
Skin:	Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin areas several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly. Gloves resistant to chemicals and petroleum distillates recommended.
Inhalation:	Supplied air respiratory protection for cleaning large spills or upon entry into tanks, vessels, or other confined spaces.
Ventilation:	Normal
Permissible Concentrations: Air: None established.	
EMERGENCY AND FIRST AID PROCEDURES	
First Aid: Eyes:	As with most foreign materials, should eye contact occur, flush eyes with plenty of water.
Skin:	Wash exposed areas with soap and water.
Ingestion:	Do NOT induce vomiting. Aspiration may cause chemical pneumonia.
Inhalation:	Should symptoms noted under physiological effects occur, remove to fresh air. If not breathing, apply artificial respiration.
Other Instructions:	None.

USEPA SF



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N.D. - Not Determined NA - Not Applicable

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PHYSIOLOGICAL EFFECTS:		Code No. 00449
Effects of Exposure Acute: <div style="margin-left: 20px;">Eyes: Believed to be minimally irritating.</div> <div style="margin-left: 20px;">Skin: Primary skin irritant; extremely irritating to skin with burns and blistering possible.</div> <div style="margin-left: 20px;">Respiratory System: May cause symptoms of drowsiness or narcosis from inhalation of high vapor concentrations.</div> <div style="margin-left: 20px;">Chronic: See Additional Comments, page 6.</div> <div style="margin-left: 20px;">Other: -</div>		
Sensitization Properties. <div style="margin-left: 20px;">Skin: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown <input type="checkbox"/></div> <div style="margin-left: 20px;">Respiratory: Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/></div>		
Median Lethal Dose (LD₅₀ LC₅₀) (Species) <div style="margin-left: 20px;">Oral: Similar product 9.0 ml/kg (rat); practically non-toxic</div> <div style="margin-left: 20px;">Inhalation: N.D.</div> <div style="margin-left: 20px;">Dermal: Similar product >5 g/kg (rabbit); practically non-toxic</div> <div style="margin-left: 20px;">Other: N. D.</div>		
Irritation Index, Estimation of Irritation (Species) <div style="margin-left: 20px;">Skin: Similar product 6.9/8.0 (rabbit); extremely irritating</div> <div style="margin-left: 20px;">Eyes: Similar product <15/110 (rabbit); no appreciable effect</div>		
Symptoms of Exposure See above		
FIRE PROTECTION INFORMATION		
<div style="display: flex; justify-content: space-between;"> <div>Ignition Temp. °F. 500</div> <div>Flash Point °F. (Method) 160 F (PM)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Flammable Limits (%) Lower 0.52</div> <div>Upper 4.10</div> </div>		
Products Evolved When Subjected to Heat or Combustion: Carbon monoxide and carbon dioxide may be formed on burning in limited air supply.		
Recommended Fire Extinguishing Agents And Special Procedures: According to the National Fire Protection Guide 49, combustible liquid fires may be extinguished by water spray, dry chemical, foam or carbon dioxide. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.		
Unusual or Explosive Hazards: None.		



ENVIRONMENTAL PROTECTION		Code No. 00449
<p>Waste Disposal Method:</p> <p>Procedures in Case of Breakage or Leakage: (Transportation Spills Call CHEMTREC (800) 424-9300)</p> <p>Remarks:</p>	<p>Under RCRA, it is the responsibility of the user of products to determine, at the time of disposal, whether product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixture, processes, etc. may render the resulting material hazardous. (See Remarks for Waste Classification.)</p> <p>Avoid all personal contact. Ventilate area. Avoid breathing vapor. Use self-contained breathing apparatus or supplied-air mask for large spills in confined area. Contain spill if possible. Wipe up or absorb on suitable material and shovel up.</p> <p>Waste Classification: Product has been evaluated for RCRA characteristics and does not meet criteria of a hazardous waste if discarded in its purchased form.</p>	
PRECAUTIONS		
<p style="text-align: center;">DANGER! CAUSES SEVERE SKIN BURNS MAY BE HARMFUL IF INHALED OR ABSORBED THROUGH SKIN COMBUSTIBLE USE ONLY AS A FUEL</p> <p>Middle Distillates have caused skin cancer and kidney damage in laboratory animals. Do not get on skin or clothing. Keep away from heat and flame. Use only in well-ventilated locations. Avoid prolonged breathing of mist or vapor. Keep head away from container when opening or dispensing. Wash thoroughly after handling.</p>		
<p>Requirements for Transportation, Handling and Storage:</p> <p>Store away from heat and open flame. Placard required only when material is contained in packaging or container that exceeds 110 gallons or in tank car or tank truck. Transport, handle and store in accordance with OSHA Regulation 1910.106 and applicable DOT Regulations.</p> <p>DOT Proper Shipping Name: Fuel Oil, 2</p> <p>DOT Hazard Class (if applicable): Combustible liquid NA1993</p>		
CHEMICAL AND PHYSICAL PROPERTIES		
<p>Boiling Point (°F) <u>650</u> Vapor Pressure <u>low</u> (mm-Hg)</p> <p>Specific Gravity <u>0.852</u> (H₂O=1) Vapor Density <u>N.D.</u> (Air=1)</p> <p>Appearance and Odor: <u>Clear and bright liquid</u></p> <p>pH of undiluted product <u>N.A.</u> Solubility <u>N.D.</u></p> <p>Percent Volatile by Volume <u>N.D.</u> Evaporation <u>N.D.</u> () = 1</p> <p>Viscosity <u>3.0 cSt @ 100F</u> Other <u>-</u></p> <p>Hazardous Polymerizations <u>-</u> Occur <u>X</u> Do not occur</p> <p>The Material Reacts Violently With (if others is checked below, see additional comments on page 6 for further details)</p> <p>Air <u>-</u> Water <u>-</u> Heat <u>-</u> Strong Oxidizers <u>X</u> Others <u>-</u> None of These <u>-</u></p>		



COMPOSITION

Code
No. 00449

Chemical/Common Name	CAS No.	Exposure Limit	Range In %
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A complex mixture of hydrocarbons produced by the distillation of crude oil. Consists predominantly of hydrocarbons ranging from C-6 to C-20, and boiling in the range of 325-675F. Product also contains some hydrocarbons produced by the distillation of products from a catalytic cracking process. The latter materials contain bicyclic and tricyclic aromatic hydrocarbons. The product may be hydrotreated or hydrodesulfurized.

100.00

Evaluation of this product indicates that it is hazardous according to OSHA Appendix A criteria and/or our hazard criteria.

SARA TITLE III

I. Title III Section 302/304 Extremely Hazardous Substance

Component	CAS No.	%	RQ (lbs)	TPQ (lbs)
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NONE

II. CERCLA Section 102(a) Hazardous Substance

Component	CAS No.	%	RQ (lbs)
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NONE

III. Title III Section 311 Hazard Categorization

Acute	Chronic	Fire	Pressure	Reactive	Not Applicable
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X

X

X

IV. Title III Section 313 Toxic Chemicals

Component	CAS No.	%
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NONE



PRODUCT SHIPPING LABEL

Code
No. 00449

00449 TEXACO DIESEL 2

DANGER: CAUSES SEVERE SKIN BURNS
MAY BE HARMFUL IF INHALED OR ABSORBED THROUGH SKIN
COMBUSTIBLE
USE ONLY AS A FUEL

Middle Distillates have caused skin cancer and kidney damage in laboratory animals. Do not get on skin or clothing. Keep away from heat and flame. Use only in well-ventilated locations. Avoid prolonged breathing of mist or vapor. Keep head away from container when opening or dispensing. Wash thoroughly after handling.

In case of contact, immediately flush skin with water while removing contaminated clothing and shoes. Call a doctor. Wash clothing before reuse. If swallowed, do not induce vomiting. Call a doctor immediately.

In case of fire use water spray, foam, dry chemical or CO2.

Chemical/Common Name	CAS No.	Range in %
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A complex mixture of hydrocarbons produced by the distillation of crude oil. Consists predominantly of hydrocarbons ranging from C-6 to C-20, and boiling in the range of 325-675°F. Product also contains some hydrocarbons produced by the distillation of products from a catalytic cracking process. The latter materials contain bicyclic and tricyclic aromatic hydrocarbons. The product may be hydrotreated or hydrosulfurized.		100.00
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Evaluation of this product indicates that it is hazardous according to OSHA Appendix A criteria and/or our hazard criteria.

HMIS	
Health	3
Reactivity	0
Flammability	2
Special	-

DOT Proper Shipping Name: Fuel Oil, 2
DOT Hazardous Class: Combustible liquid NA1993

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place.

HEALTH EMERGENCY TELEPHONE: (914) 831-3400 (EXT. 204)

Texaco
2000 Westchester Avenue
White Plains, New York 10650

For Additional Information Concerning:

Fuels/Lubricants/Antifreezes
call (914) 831-3400 (EXT. 204)
Chemicals
call (512) 459-6543
Transportation Spills
call CHEMTREC (800) 424-9300

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THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT AS PART OF TEXACO'S PRODUCT SAFETY PROGRAM. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN. DATA SHEETS ARE AVAILABLE FOR ALL TEXACO PRODUCTS. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL TEXACO PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE AND YOU ARE ENCOURAGED AND REQUESTED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

EXPLANATION OF THE INDUSTRIAL HYGIENE, TOXICOLOGY, AND MATERIAL SAFETY DATA SHEET

PRODUCT INFORMATION

Trade Name and Synonyms

Refer to the code number and name under which the product is marketed and the common commercial name of the product.

Manufacturer's Name and Address: Self explanatory.

Chemical Name and/or Family or Description

Refer to chemical groups, or descriptive name of single elements and compounds.

OCCUPATIONAL CONTROL PROCEDURES

(Consult your Industrial Hygienist or Occupational Health Specialist)

Protective Equipment

Type of protective equipment that is necessary for the safe handling and use of this product.

Ventilation

Normal means adequate to maintain permissible concentrations.
Ventilation type, i.e. local exhaust, mechanical, etc.

Permissible Concentrations

Indicates worker exposure limits, such as the Threshold Limit Value (TLV) as established by the American Conference of Governmental Industrial Hygienists or standards promulgated by the Occupational Safety and Health Administration (e.g., PEL).

TLV-Time Weighted Average (TWA) is the concentration in air averaged over an 8 hour daily exposure.

TLV-Ceiling (C) is the ceiling limit on concentration that should not be exceeded during any part of the working day.

"Skin" Notation (ACGIH) indicates that dermal absorption can contribute to overall exposure following direct contact or exposure to airborne material.

Permissible Exposure Level (PEL) is the time weighted concentration in air averaged over an 8 hour daily exposure.

EMERGENCY AND FIRST AID PROCEDURES

Administer first aid and emergency procedures in case of eye and/or skin contact, ingestion and inhalation.

PHYSIOLOGICAL EFFECTS

Acute Exposures (Eye, Skin, Respiratory System)

Refers to the most common effects that would be expected to occur from direct contact with the product.

Chronic

Refers to the effects that are most likely to occur from repeated or prolonged exposure.

Sensitizer

Means a substance which will cause on or in normal living tissue, through an allergic or photodynamic process, a hypersensitivity which becomes evident on reapplication of, or exposure to, the same substance.

Median Lethal Dose or Concentration (LD50, LC50)

Refers to that dose or concentration of the material which will produce death in 50 per cent of the animals. For inhalation, exposure time is indicated.

Irritation Index

Refers to an empirical score (Draize Method) for eye and skin irritation when tested by the method described. If numbers are not available, an estimated score indicates whether or not the material is an irritant.

FIRE PROTECTION INFORMATION

Ignition Temperature

Refers to the temperature in degrees Fahrenheit, at which a liquid will give off enough flammable vapor to ignite and burn continuously for 5 seconds.

Flash Point (Method used)

Refers to the temperature in degrees Fahrenheit, at which a liquid will give off enough flammable vapor to ignite.

Flammable Limits

Refers to the range of gas or vapor concentration (percent by volume in air) which will burn or explode if an ignition source is present. Lower means the lower flammable limit and upper means the upper flammable limit given in percent.



Products Evolved When Subjected to Heat or Combustion

The products evolved when this material is subjected to heat or combustion. Includes temperature at which oxidation or other forms of degradation occurs.

Recommended Fire Extinguishing Agents and Special Procedures

Specifies the fire fighting agents that should be used to extinguish fires. If unusual fire hazards are involved or special procedures indicated, this is specified.

Unusual Fire or Explosive Hazards

Specifies hazards to personnel in case of fire, explosive danger.

ENVIRONMENTAL PROTECTION

Specifies how this product may be disposed

Indicates precautions necessary in the event that leakage or breakage occurs. Included are (a) clean-up procedures, (b) personal protective equipment if necessary, (c) hazards that may be created, i.e. fire, explosion, etc.

PRECAUTIONS

Label that is required or recommended.

Requirements for Transportation, Handling and Storage

Specifies handling and storage procedures. Gives ICC, DOT, or other regulations related to safety and health for transportation.

CHEMICAL AND PHYSICAL PROPERTIES

Boiling Point (or Range)

In degrees Fahrenheit or Celsius. Boiling Point at 760 mmHg.
Vapor Pressure

Pressure exerted when a solid or liquid is in equilibrium with its own vapor.

Specific Gravity

The ratio of the density of the product to the density of water.

Vapor Density

The ratio of the density of the vapor at saturation concentration (20 degrees Celsius or 68 degrees Fahrenheit) to the density of air at 760 mmHg.

Appearance and Odor

Refers to the general characterization of the material, e.g. powder, colorless liquid, aromatic odor, etc.

pH

Refers to the degree of acidity or basicity of the material in a specific concentration.

pH1-5 - STRONGLY ACIDIC
pH5-7 - WEAKLY ACIDIC
pH7-9 - WEAKLY BASIC
pH9-14 - STRONGLY BASIC

Solubility

Refers to the solubility of a material by weight in water at room temperature. The term negligible, less than 0.1 %; slight, 0.1 to 1%; moderate, 1 to 10%; appreciable, 10% or greater. Gives solubility in organic solvents where appropriate.

Percent Volatile By Volume

Refers to the amount volatilized at 20 degrees Celsius or 68 degrees Fahrenheit when allowed to evaporate.

Evaporation

Gives the rate of evaporation compared to a standard

Viscosity

Measure of flow characteristics in Kinematic viscosity in Centistokes.

Hazardous Polymerization

Hazardous polymerization is that reaction which takes place at a rate which produces large amounts of energy. Indicates whether it may or may not occur and under what storage conditions.

Does the Material React Violently

Indicates whether the material will react violently, releasing large amounts of energy when exposed under conditions listed.

Composition

Components of the product as required by OSHA (1910.1200) and one or more state Right to Know laws.



ADDITIONAL COMMENTS

Code
No. 00449

STATE OF MICHIGAN CRITICAL MATERIALS ACT (REVISED 1989)

No critical materials present.

Studies with laboratory animals have shown that middle distillates cause skin cancer and kidney damage. This product is not intended for space heaters. Do not use in agricultural sprays.

Since middle distillates have been shown to be animal skin carcinogens, applications where there is high potential human exposure may be hazardous and should be avoided.

NIOSH has recommended that whole diesel exhaust be regarded as a potential occupational carcinogen, based on findings of carcinogenic responses in laboratory animals exposed to whole diesel exhaust. The excess cancer risk for workers exposed to diesel exhaust has not been calculated; however, exposure should be minimized to reduce potential risk.

To determine applicability or effect of any law or regulation with respect to the product, users should consult his legal advisor or the appropriate government agency. Texaco does not undertake to furnish advice on such matters.

By M. J. Von Allmen Title Mgr. Product Safety Programs
Date 09-06-89 ☐ New ☒ Revised, Supersedes 05-04-89

N.D. - Not Determined N.A. - Not Applicable

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